

Appl. No. 10/820,590
Docket No. 9031R
Amdt. dated May 25, 2007
Reply to Office Action mailed on January 25, 2007
Customer No. 27752

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A packaged tooth whitening product, comprising:

a backing layer;

a tooth whitening composition comprising first and second polymers, from about 10% to about 90% water, and a tooth whitening agent, wherein said first polymer is polyethylene oxide and said second polymer is polyvinyl alcohol and wherein the dose of said tooth whitening agent per unit area is from about .001 mg/cm² to about 500 mg/cm².

Claim 2 (previously presented): The packaged tooth whitening product of claim 1, wherein the concentration of said first polymer is between about 10% and about 90% by weight of said tooth whitening composition.

Claim 3 (previously presented): The packaged tooth whitening product of claim 1, wherein the concentration of said second polymer is between about 0.5% and about 50% by weight of said tooth whitening composition.

Claim 4 (canceled)

Claim 5 (previously presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening composition further comprises a plasticizer having a concentration between about 1% and about 80% by weight of said tooth whitening composition.

Claim 6 (previously presented): The packaged tooth whitening product of claim 5, wherein said plasticizer is polyethylene glycol.

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Claim 7 (previously presented): The packaged tooth whitening product of claim 1, wherein said polyvinyl alcohol has a hydrolysis between about 70% and about 91%.

Claim 8 (previously presented): The packaged tooth whitening product of claim 1, wherein said backing layer is a laminate.

Claim 9 (previously presented): The packaged tooth whitening product of claim 1, wherein said polyethylene oxide has an average molecular weight between about 300,000 and about 900,000.

Claim 10 (previously presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening composition comprises a mixture of two or more polyethylene oxides and wherein said polyethylene oxides have different average molecular weights.

Claim 11 (previously presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening agent is hydrogen peroxide.

Claim 12 (previously presented): The packaged tooth whitening product of claim 1, wherein said first and second polymers are water soluble.

Claim 13 (withdrawn): A method of manufacturing a tooth whitening composition, comprising:

- mixing a first mixture comprising a first water soluble polymer and a first solvent;
- mixing a second mixture comprising a second water soluble polymer and a second solvent;
- adding said first and second mixtures to form a third mixture; and
- mixing a tooth whitening agent with said third mixture.

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Claim 14 (withdrawn): The method of claim 13, wherein said first and second solvents are water.

Claim 15 (withdrawn): The method of claim 13, wherein said first and second solvents are different.

Claim 16 (withdrawn): The method of claim 13, wherein one of said first and second solvents comprises a mixture of solvents.